

## Special Issue

# Energy Saving Technology in Building

### Message from the Guest Editors

With the increase in population and enhancement of welfare systems, the demand for energy is rapidly increasing, exacerbating the energy source crisis and threatening our environment. According to IEA statistics, energy consumption in buildings accounts for around 40% of the total energy use. The majority of energy is consumed in heating and cooling systems in buildings. Thus, reducing building energy consumption plays a very important role in controlling global energy demand. The most effective way to reduce energy use in buildings is to study and develop high-efficiency energy systems by modifying existing energy systems, adopting new energy sources, and applying intelligent management methodologies. Recently developed technologies can provide new insights into building energy-saving methods, including the modification of existing energy use, building-integrated renewable energy, passive designs for zero-energy buildings, energy storage, advanced designs of building service equipment, and intelligent energy management. The objective of this Special Issue is to present the latest, cutting-edge research on high-energy-efficiency technologies in residential buildings.

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### Guest Editors

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Dr. Borui Cui

Dr. Jiaming Gong

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### Deadline for manuscript submissions

closed (30 September 2023)



## Energies

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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

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